

Corrosion Protection

High performance, chemical resistant finishes for use in areas prone to frequent and severe chemical attack as well as areas of secondary containment.

Application Suitability

| | |
|---|----------------------------------|
| ✓ | Chemical Processing Environments |
| ✓ | Areas of Secondary Containment |
| ✓ | Tank Farms |
| ✓ | Waste Processing |
| ✓ | Petrochemical Facilities |
| ✓ | Water Treatment Facilities |





Flowchem VE RC (40 mils)

A horizontal and vertical roller applied vinyl ester coating with excellent chemical resistance.



Temperature Resistant:

Resistant to intermittent temperatures of up to 350°F.



Chemical Resistant:

Protects against a variety of aggressive acids, solvents caustics and chemicals.



Bond Strength:

Elastomer modified resin provides superior adhesion.



Fast Cure:

Accelerated cure time, providing an operational surface in just 12 hours.



Abrasion Resistant:

Excellent abrasion and wear resistance under heavy traffic conditions.

Standard Colors:



Red



Gray

TEMPERATURE RESISTANCE:

| | |
|-------------|-------------------------------|
| ASTM D 3299 | Continuous Exposure: 320°F |
| | Intermittent Spills: 350°F |

COMPRESSIVE STRENGTH:

| | |
|------------|------------|
| ASTM C 579 | 17,500 psi |
|------------|------------|

TENSILE STRENGTH:

| | |
|------------|-----------|
| ASTM D 638 | 5,300 psi |
|------------|-----------|

FLEXURAL STRENGTH:

| | |
|------------|-----------|
| ASTM C 580 | 8,200 psi |
|------------|-----------|

BARCOL HARDNESS:

| | |
|-------------|-----|
| ASTM D 2583 | >35 |
|-------------|-----|

FLEXURAL MODULUS OF ELASTICITY:

| | |
|------------|----------------------------|
| ASTM C 580 | 10.9 x 10 ⁵ psi |
|------------|----------------------------|

ADHESION:

| | |
|-------------|-------------------------------------|
| ASTM D 4541 | >400 psi (100% Concrete Failure) |
|-------------|-------------------------------------|

POT LIFE:

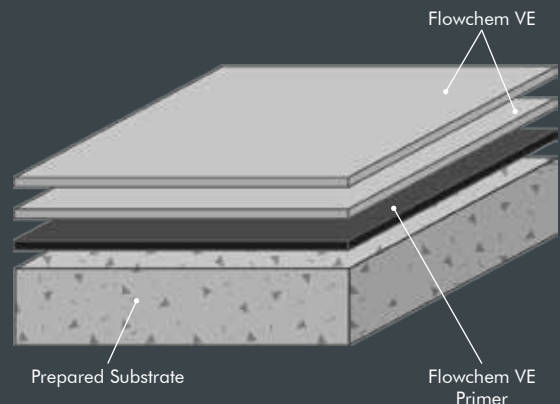
| | |
|--|----------------------|
| | 45+ minutes at 75° F |
|--|----------------------|

PERMEABILITY:

| | |
|-----------|------------------|
| ASTM E 96 | 0.0042 perm. -in |
|-----------|------------------|

SPEED OF CURE:

| | 60°F | 75°F | 90°F |
|--------------------|--------|--------|--------|
| Light Traffic | 18 hrs | 12 hrs | 8 hrs |
| Full Traffic | 36 hrs | 24 hrs | 16 hrs |
| Full Chemical Cure | 72 hrs | 48 hrs | 24 hrs |



The applied colors may differ from the examples shown. For a full color chart and samples, contact your local Flowcrete office.

Products Included In This System

| | |
|-------------------|--------------------------------------|
| Primer: | Flowchem VE Primer at 300 sq ft/unit |
| Base Coat: | Flowchem VE at 54 sq ft/gal |
| Topcoat: | Flowchem VE at 100 sq ft/gal |

Installation

Installation should be carried out by a Flowcrete STAR or preferred contractor with a documented quality assurance note. Obtain details of our preferred contractor network from our customer service team or by enquiring through our website. Detailed application instructions are also available upon request.

Substrate Requirements

Concrete or screed substrate should have a minimum of 3,000 psi compressive strength, free from laitance, dust and other contamination. The substrate should be dry to ASTM requirements and free from excessive moisture vapor transmission.

Technical Profile

The figures and test results shown overleaf are typical properties achieved in laboratory tests at 75°F and at 50% Relative Humidity.

Aftercare, Cleaning & Maintenance

Clean regularly using a single or double headed rotary scrubber / drier with a mildly alkaline detergent

Environmental Health & Safety

The finished system is assessed as non-hazardous to health and the environment. The long service life and seamless surface reduce the need for repairs and maintenance. Environmental and health considerations are controlled during manufacture and application of the products by Flowcrete Americas' staff and fully trained application teams.

Warranty

Flowcrete Americas' products are guaranteed against defective materials and manufacture and are sold subject to our standard 'Warranty, Terms and Conditions of Sale', copies of which can be obtained on request. Warranty does not cover suitability, fit for purpose or any consequential or related damages. Please review warranty in detail before installing the products.

Disclaimer

Any recommendation or suggestion relating to the use of products manufactured by Flowcrete Americas, whether in its technical literature or in response to a specific inquiry, is based upon data believed to be reliable, however the products and information are intended for use by applicators having requisite skill and know-how in the industry and therefore it is for the applicator to satisfy itself of the suitability of the products for its own particular use and it shall be deemed that the applicator has done so at its sole discretion and risk.

[08/12/16]



Flowchem VE BC (60, 75 & 125 mils)

A horizontal and vertical applied vinyl ester coating containing broadcast aggregates.



Temperature Resistant:

Resistant to intermittent temperatures of up to 350°F.



Chemical Resistant:

Protects against a variety of aggressive acids, solvents caustics and chemicals.



Bond Strength:

Elastomer modified resin provides superior adhesion.



Fast Cure:

Accelerated cure time, providing an operational surface in just 12 hours.



Versatile:

Enhanced impact and wear resistance with a textured slip resistant profile.

Standard Colors:



Red



Gray

TEMPERATURE RESISTANCE:

| | |
|------------|-------------------------------|
| ASTM D3299 | Continuous Exposure: 320°F |
| | Intermittent Spills: 350°F |

COMPRESSIVE STRENGTH:

| | |
|------------|------------|
| ASTM C 579 | 17,500 psi |
|------------|------------|

TENSILE STRENGTH:

| | |
|------------|-----------|
| ASTM D 638 | 5,300 psi |
|------------|-----------|

FLEXURAL STRENGTH:

| | |
|------------|-----------|
| ASTM D 790 | 5,800 psi |
|------------|-----------|

BARCOL HARDNESS:

| | |
|-------------|-----|
| ASTM D 2583 | >35 |
|-------------|-----|

FLEXURAL MODULUS OF ELASTICITY:

| | |
|------------|----------------------------|
| ASTM D 790 | 15.3 x 10 ⁵ psi |
|------------|----------------------------|

ADHESION:

| | |
|-------------|-------------------------------------|
| ASTM D 4541 | >400 psi (100% Concrete Failure) |
|-------------|-------------------------------------|

POT LIFE:

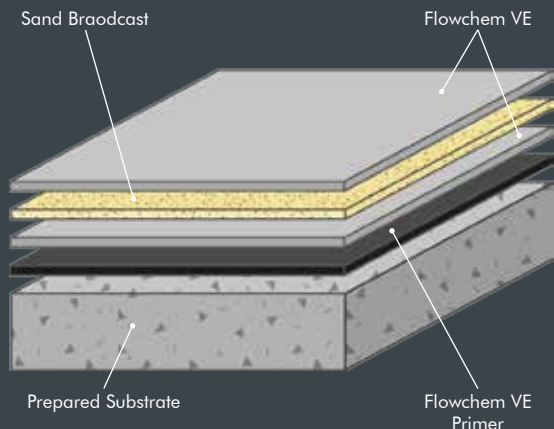
| | |
|--|----------------------|
| | 45+ minutes at 75° F |
|--|----------------------|

PERMEABILITY:

| | |
|-----------|------------------|
| ASTM E 96 | 0.0042 perm. -in |
|-----------|------------------|

SPEED OF CURE:

| | 60°F | 75°F | 90°F |
|--------------------|--------|--------|--------|
| Light Traffic | 18 hrs | 12 hrs | 8 hrs |
| Full Traffic | 36 hrs | 24 hrs | 16 hrs |
| Full Chemical Cure | 72 hrs | 48 hrs | 24 hrs |



The applied colors may differ from the examples shown. For a full color chart and samples, contact your local Flowcrete office.

Products Included In This System

| | |
|-------------------|---|
| Primer: | Flowchem VE Primer at 300 sq ft/unit |
| Base Coat: | Flowchem VE at 64 sq ft/gal at 60 mils or 45 sq ft/gal at 75 mils or 32 sq ft/gal at 125 mils |
| Broadcast: | 20 - 40 Mesh Sand at 1.5 lb/sq ft at 60 or 75 mils, or 2 lb/sq ft at 125 mils |
| Topcoat: | Flowchem VE at 100 sq ft/gal |

Installation

Installation should be carried out by a Flowcrete STAR or preferred contractor with a documented quality assurance note. Obtain details of our preferred contractor network from our customer service team or by enquiring through our website. Detailed application instructions are also available upon request.

Substrate Requirements

Concrete or screed substrate should have a minimum of 3,000 psi compressive strength, free from laitance, dust and other contamination. The substrate should be dry to ASTM requirements and free from excessive moisture vapor transmission.

Technical Profile

The figures and test results shown overleaf are typical properties achieved in laboratory tests at 75°F and at 50% Relative Humidity.

Aftercare, Cleaning & Maintenance

Clean regularly using a single or double headed rotary scrubber / drier with a mildly alkaline detergent

Environmental Health & Safety

The finished system is assessed as non-hazardous to health and the environment. The long service life and seamless surface reduce the need for repairs and maintenance. Environmental and health considerations are controlled during manufacture and application of the products by Flowcrete Americas' staff and fully trained application teams.

Warranty

Flowcrete Americas' products are guaranteed against defective materials and manufacture and are sold subject to our standard 'Warranty, Terms and Conditions of Sale', copies of which can be obtained on request. Warranty does not cover suitability, fit for purpose or any consequential or related damages. Please review warranty in detail before installing the products.

Disclaimer

Any recommendation or suggestion relating to the use of products manufactured by Flowcrete Americas, whether in its technical literature or in response to a specific inquiry, is based upon data believed to be reliable, however the products and information are intended for use by applicators having requisite skill and know-how in the industry and therefore it is for the applicator to satisfy itself of the suitability of the products for its own particular use and it shall be deemed that the applicator has done so at its sole discretion and risk.

[08/12/16]



Flowchem VE GL (125 mils)

A glassfibre reinforced horizontal and vertical applied vinyl ester coating with excellent chemical resistance.



Temperature Resistant:

Resistant to intermittent temperatures of up to 350°F.



Chemical Resistant:

Protects against a variety of aggressive acids, solvents caustics and chemicals.



Bond Strength:

Elastomer modified resin provides superior adhesion.



Fast Cure:

Accelerated cure time, providing an operational surface in just 12 hours.



Versatile:

Dimensionally stable, high cohesive strength and low permeability.

Standard Colors:



Red



Gray

TEMPERATURE RESISTANCE:

| | |
|------------|-------------------------------|
| ASTM D3299 | Continuous Exposure: 320°F |
| | Intermittent Spills: 350°F |

COMPRESSIVE STRENGTH:

| | |
|------------|------------|
| ASTM C 579 | 17,500 psi |
|------------|------------|

TENSILE STRENGTH:

| | |
|------------|------------|
| ASTM D 638 | 10,000 psi |
|------------|------------|

FLEXURAL STRENGTH:

| | |
|------------|------------|
| ASTM D 790 | 22,000 psi |
|------------|------------|

BARCOL HARDNESS:

| | |
|-------------|-----|
| ASTM D 2583 | >35 |
|-------------|-----|

FLEXURAL MODULUS OF ELASTICITY:

| | |
|------------|----------------------------|
| ASTM D 790 | 15.6 x 10 ⁵ psi |
|------------|----------------------------|

ADHESION:

| | |
|-------------|-------------------------------------|
| ASTM D 4541 | >400 psi (100% Concrete Failure) |
|-------------|-------------------------------------|

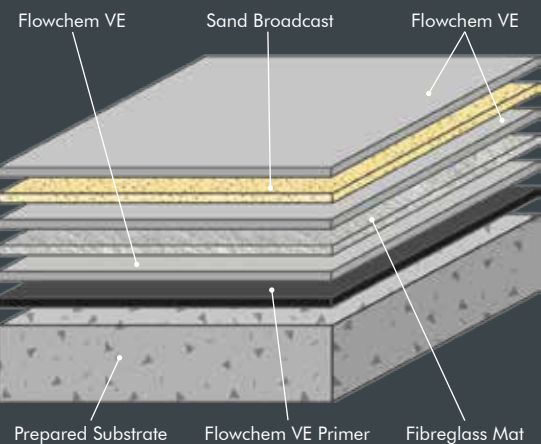
POT LIFE:

| | |
|--|----------------------|
| | 45+ minutes at 75° F |
|--|----------------------|

PERMEABILITY:

| | | | |
|-----------|------------------|--|--|
| ASTM E 96 | 0.0042 perm. -in | | |
|-----------|------------------|--|--|

| SPEED OF CURE: | 60°F | 75°F | 90°F |
|--------------------|--------|--------|--------|
| Light Traffic | 18 hrs | 12 hrs | 8 hrs |
| Full Traffic | 36 hrs | 24 hrs | 16 hrs |
| Full Chemical Cure | 72 hrs | 48 hrs | 24 hrs |



The applied colors may differ from the examples shown. For a full color chart and samples, contact your local Flowcrete office.

Products Included In This System

| | |
|-------------------------|--|
| Primer: | Flowchem VE Primer at 300 sq ft/unit |
| Base Coat: | Flowchem VE at 60 sq ft/gal |
| Lining: | Fiberglass mat 1 ounce/sq ft minimum mat weight |
| Saturating Coat: | Flowchem VE at 60 sq ft/gal |
| Broadcast: | 20 - 40 Mesh Sand at 1.5 lb/sq ft |
| Topcoat: | Flowchem VE at 100 sq ft/gal |

Installation

Installation should be carried out by a Flowcrete STAR or preferred contractor with a documented quality assurance note. Obtain details of our preferred contractor network from our customer service team or by enquiring through our website. Detailed application instructions are also available upon request.

Substrate Requirements

Concrete or screed substrate should have a minimum of 3,000 psi compressive strength, free from laitance, dust and other contamination. The substrate should be dry to ASTM requirements and free from excessive moisture vapor transmission.

Technical Profile

The figures and test results shown overleaf are typical properties achieved in laboratory tests at 75°F and at 50% Relative Humidity.

Aftercare, Cleaning & Maintenance

Clean regularly using a single or double headed rotary scrubber / drier with a mildly alkaline detergent

Environmental Health & Safety

The finished system is assessed as non-hazardous to health and the environment. The long service life and seamless surface reduce the need for repairs and maintenance. Environmental and health considerations are controlled during manufacture and application of the products by Flowcrete Americas' staff and fully trained application teams.

Warranty

Flowcrete Americas' products are guaranteed against defective materials and manufacture and are sold subject to our standard 'Warranty, Terms and Conditions of Sale', copies of which can be obtained on request. Warranty does not cover suitability, fit for purpose or any consequential or related damages. Please review warranty in detail before installing the products.

Disclaimer

Any recommendation or suggestion relating to the use of products manufactured by Flowcrete Americas, whether in its technical literature or in response to a specific inquiry, is based upon data believed to be reliable, however the products and information are intended for use by applicators having requisite skill and know-how in the industry and therefore it is for the applicator to satisfy itself of the suitability of the products for its own particular use and it shall be deemed that the applicator has done so at its sole discretion and risk.

[08/12/16]